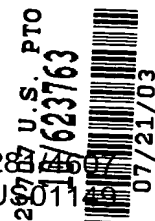


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Date of Deposit 7/21/03

Our File No. 9283445
Client Reference No. N US01146



PATENT APPLICATION TRANSMITTAL LETTER

To the Commissioner for Patents:

Transmitted herewith for filing is the patent application of KIYOSHI SATO for THIN FILM MAGNETIC HEAD HAVING IMPROVED HEAT RADIATING PROPERTY.

Enclosed are:

- ☒ Preliminary Amendment and 4 sheets corrected drawings (corrections are marked in red ink)
- ☒ 47 pages of application (including title page and Abstract), 7 sheets of drawings and the following Appendices: N/A
- ☒ Declaration and Power of Attorney for Patent Application
- ☒ Assignment transmittal letter and Assignment of the invention to: ALPS ELECTRIC CO., LTD.
- ☒ Submission of Certified Copy of Priority Document and certified copy of Japanese Application No. 2002-212691
- ☒ Information Disclosure Statement, PTO-1449, and reference A1

Claims as Filed	Col. 1	Col. 2
For	No. Filed	No. Extra
Basic Fee		
Total Claims	21-20	1
Indep. Claims	2-3	0
Multiple Dependent Claims Present		

*If the difference in col. 1 is less than zero, enter "0" in col. 2.

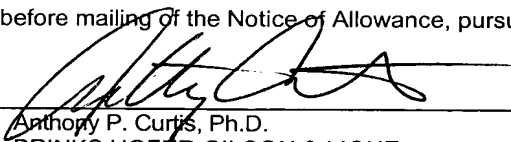
Small Entity	
Rate	Fee
	\$ 370
x\$9=	\$
x\$42=	\$
+\$140=	\$
Total	\$

Other Than Small Entity	
Rate	Fee
	\$ 750
1x\$18=	\$18
x\$84=	\$
+\$280=	\$
Total	\$768

- ☐ Please charge my Deposit Account No. 23-1925 in the amount of \$ _____. A duplicate copy of this sheet is enclosed.
- ☒ A check in the amount of \$768.00 to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.
 - ☒ Any additional filing fees required under 37 CFR § 1.16.
 - ☒ Any patent application processing fees under 37 CFR § 1.17.
- ☐ The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.
 - ☐ Any filing fees under 37 CFR § 1.16 for presentation of extra claims.
 - ☐ Any patent application processing fees under 37 CFR § 1.17.
 - ☐ The issue fee set in 37 CFR § 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR § 1.311(b).

Date

7/21/03


Anthony P. Curtis, Ph.D.
BRINKS HOFER GILSON & LIONE
Registration No. 46,193



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